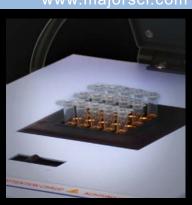


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Major Cycler

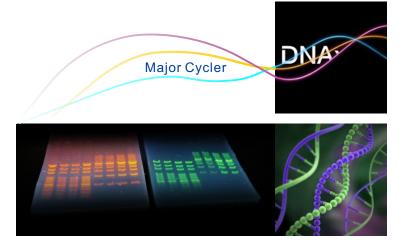




Major Cycler is an automated instrument designed to apply on Hot Start amplification thermal cycling reaction. Also Major Cycler contains a RT program function, it is simple and convenient to proceed one-step RT by combining the RT program with a stored amplification reaction. Another feature of Major Cycler is the flexible program editing, allows researchers to set up an amplification program containing different temperature ramping condition within individual loops. Major Cycler also offers the flexibility to create an advanced amplification program which could increase/decrease temperature and hold time for an assigned step from cycle to cycle. The small size and competitive pricing make it suitable for a personal owing instrument.

Feature

- >Microprocessor control with digital performance
- >Wide temperature control range and great temperature controlled performance
- >LCD display
- >Self pressure adjusting heating lid
- >User friendly and powerful program performance
- RT program
- Link up to 5 loops for one program
- Up to 9 steps for each loop
- >Up to 99 cycles for each program



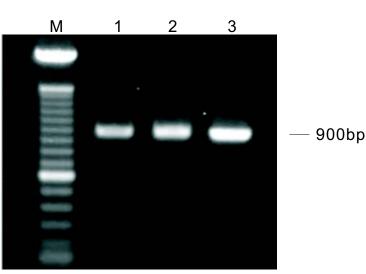


Fig.Reverse Transcription and amplification of 900 bp Japanese Encephalitis Virus(JEV) envelope protein fragment from JEV RNA using Major Cycler RT and amplification program

- M. DNA marker
- 1. 0.1 µg RNA template
- 2. 0.5 µg RNA template
- 3. 1.0 µg RNA template

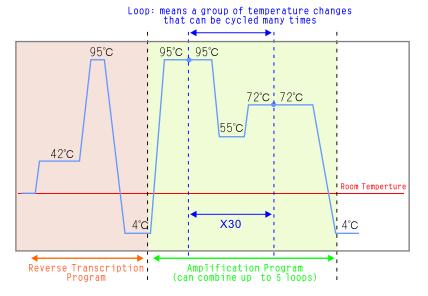


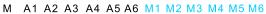
Major Cycler



Specification
Sample capacity
Temperature control range
Lid temperature control range
Block homogeneity
Control accuracy
Heating Rate
Cooling Rate
Display
Program
Rated Voltages
Unit Dimension (W x L x H)
Weight

cycler-25
25 (5 x 5) x 0.2ml tube
4°C to 110°C
ambient +5°C to 110°C
20°C to 72°C ≤ ±0.3°C
±0.2°C
approx. 3°C/s
approx. 2°C/s
2. 5" LCD
Reverse Transcription program
Link program: multi-loop available; up to 5
Step per Loop: up to 9
Cycle number: up to 99
Program storage: up to 100
Increment and decrement temperature per step on each cycle
Increment and decrement time per step on each cycle
110V / 220V selectable
200 x 320.5 x 190mm
approx. 8.6kg





Major Cycler

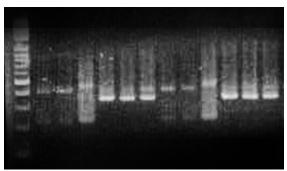


Fig. 2 Amplification efficiency comparison between Brand A cycler and Major Cycler.

M. DNA marker

A1~A6 DNA fragment amplified by Brand A cycler

M1~M6 DNA fragment amplified by Major Cycler

Ordering Information

cycler-25-110/220 major cycler



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